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BOSGAME P3 Lite

BOSGAME P3 Lite Mini PC User Manual

Model: P3 Lite with AMD Ryzen 7 6800H

1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your BOSGAME P3 Lite Mini PC. The P3 Lite is a compact and powerful desktop computer featuring an AMD Ryzen 7 6800H processor, 24GB DDR5 RAM, and a 1TB PCIe 4.0 SSD, designed for various computing tasks from business to entertainment.



Image 1.1: The BOSGAME P3 Lite Mini PC, showcasing its compact design and port layout.

2. SETUP GUIDE

Follow these steps to set up your BOSGAME P3 Lite Mini PC:

1. **Unpack:** Carefully remove the Mini PC and all accessories from the packaging.
2. **Connect Display:** Connect your monitor(s) to the Mini PC using an HDMI, DisplayPort, or USB4 cable. The device supports triple display output.
3. **Connect Peripherals:** Plug in your keyboard, mouse, and any other USB devices into the available USB ports.
4. **Connect Network (Optional):** For a wired connection, connect an Ethernet cable to one of the LAN ports. For wireless, ensure your Wi-Fi network is available.
5. **Power On:** Connect the power adapter to the DC-in port on the Mini PC, then plug the adapter into a power outlet. Press the power button located on the front of the device.

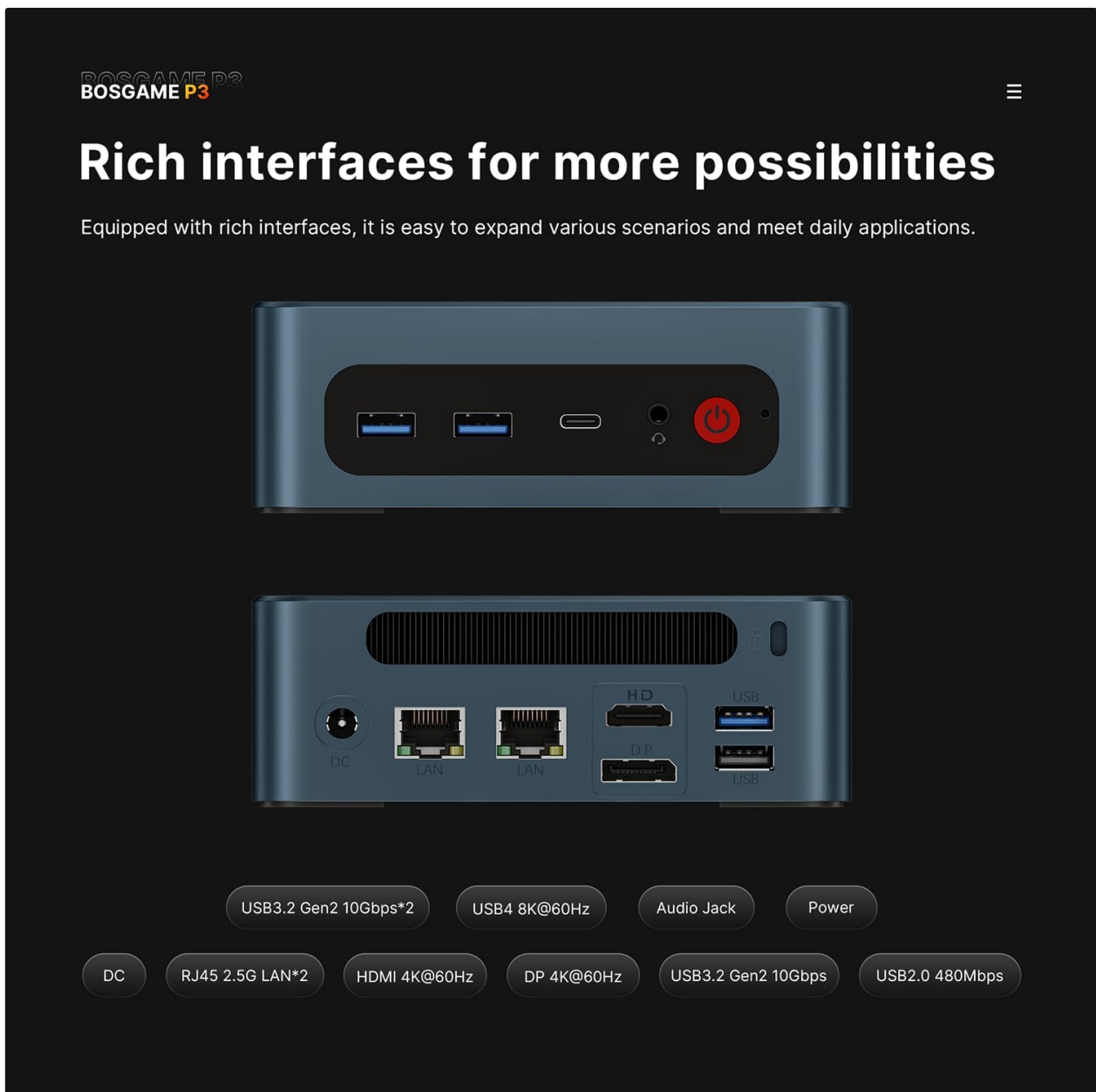


Image 2.1: Front and rear view of the BOSGAME P3 Lite Mini PC, highlighting its various input/output ports including USB, HDMI, DisplayPort, LAN, and power input.

3. OPERATING INSTRUCTIONS

Your BOSGAME P3 Lite Mini PC comes with Windows 11 Pro pre-installed, offering a familiar and user-friendly operating environment.

- **First Boot:** Upon the first startup, follow the on-screen instructions to complete the Windows 11 Pro setup, including language, region, and user account creation.
- **Network Connection:**
 - **Wi-Fi:** Click the Wi-Fi icon in the taskbar, select your network, enter the password, and connect. The device supports Wi-Fi 6E for high-speed wireless connectivity.
 - **Ethernet:** If an Ethernet cable is connected, the system should automatically establish a wired network connection.
- **Bluetooth Devices:** To pair Bluetooth devices (e.g., headphones, speakers), go to Windows Settings > Bluetooth & devices, and select 'Add device'. The Mini PC features Bluetooth 5.2.
- **Triple Display Setup:** The Mini PC supports connecting up to three displays simultaneously via HDMI, DisplayPort, and USB4. To configure multiple displays, right-click on the desktop, select 'Display settings', and arrange your monitors as desired.

BOSGAME P3

AMD Ryzen 7 6800H

8Cores 16Threads,
Max. Boost Clock Up to 4.7GHz

DDR5 4800MHz
SODIMM

M.2 NVMe 2280
PCIe 4.0 SSD

Support Triple Screen Display

HDMI2.0 *1 (4K@60Hz)+DP *1 (4K@60Hz)
USB4 *1 (8K@60Hz)

AMD Radeon Graphics

Graphics Frequency: 2000 MHz

Wi-Fi 6E

Bluetooth 5.2

2.5G RJ45 LAN*2

Image 3.1: An overview of the BOSGAME P3 Lite Mini PC's capabilities, highlighting its support for triple screen display via HDMI, DisplayPort, and USB4.

4. KEY FEATURES

The BOSGAME P3 Lite Mini PC is equipped with advanced components for robust performance:

- **Processor:** Powered by an AMD Ryzen 7 6800H processor, featuring 8 cores and 16 threads, with a maximum boost clock speed of up to 4.7GHz. This CPU provides strong performance for multitasking and demanding applications.

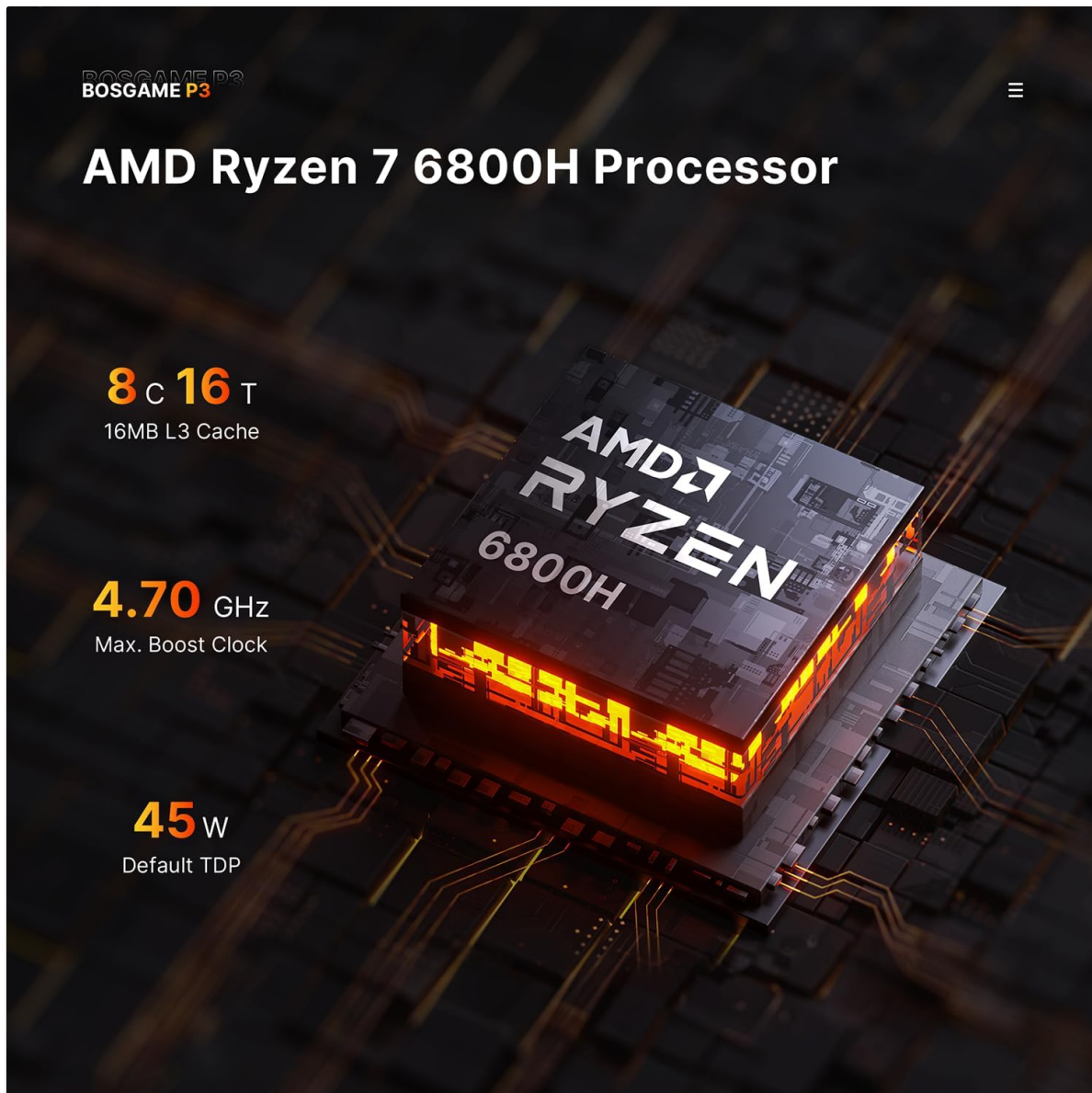


Image 4.1: Detailed view of the AMD Ryzen 7 6800H processor, emphasizing its core count, thread count, L3 cache, and boost clock speed.

- **Memory (RAM):** Comes with 24GB of high-speed DDR5 4800MHz SODIMM RAM, ensuring smooth operation and efficient handling of multiple applications. The memory is expandable up to 64GB.
- **Storage:** Includes a 1TB M.2 2280 NVMe PCIe 4.0 x4 SSD for fast boot times and rapid data access. The system supports adding a second M.2 2280 NVMe PCIe 4.0 SSD for expanded storage capacity.



Image 4.2: Visual representation of the DDR5 SODIMM RAM modules and the M.2 NVMe PCIe 4.0 SSD, which are key components for system performance.

- **Graphics:** Features integrated AMD Radeon 680M graphics, capable of handling 4K resolution at 60Hz across multiple displays.
- **Connectivity:** Equipped with Wi-Fi 6E for advanced wireless networking, Bluetooth 5.2 for peripheral connections, and dual 2.5G RJ45 LAN ports for high-speed wired network access.
- **Ports:** A comprehensive selection of ports including HDMI 2.0, DisplayPort, USB4 (Thunderbolt 4.0 compatible), multiple USB 3.2 Gen 2 ports, a USB 2.0 port, and a 3.5mm audio jack.

5. SPECIFICATIONS

Feature	Specification
Brand	BOSGAME
Model Number	P3 Lite
Operating System	Windows 11 Pro
Processor Brand	AMD

Feature	Specification
Processor Type	Ryzen 7 6800H
Processor Speed	Up to 4.7 GHz
Number of Cores	8
Cache Size	16 MB L3 Cache
RAM	24 GB DDR5 4800MHz SODIMM
Maximum Memory	64 GB
Storage	1 TB M.2 2280 NVMe PCIe 4.0 SSD
Storage Interface	PCIe x4 (supports second M.2 2280 NVMe PCIe 4.0 SSD)
GPU	Integrated AMD Radeon 680M
Max Resolution	3840 x 2160 (4K) @ 60Hz
Wireless Connectivity	Wi-Fi 6E (802.11ax), Bluetooth 5.2
Wired Connectivity	2x 2.5G RJ45 LAN ports
Video Output	1x HDMI 2.0, 1x DisplayPort, 1x USB4 (Thunderbolt 4.0 compatible)
USB Ports	4x USB 3.2 Gen 2, 1x USB 2.0, 1x USB4
Audio Port	1x 3.5mm Audio Jack
Dimensions (L x W x H)	12.3 x 4.4 x 12.9 cm (4.84 x 1.73 x 5.08 inches)
Weight	530 Grams (1.17 lbs)

Mini volume, freeing up space

Lengths: **5.12** inch

Width: **5.08** inch

Height: **1.81** inch



Image 5.1: The compact dimensions of the BOSGAME P3 Lite Mini PC, illustrating its small footprint.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Mini PC:

- **Cleaning:** Regularly clean the exterior of the Mini PC with a soft, dry cloth. Use compressed air to clear dust from ventilation grilles to prevent overheating. Ensure the device is powered off and unplugged before cleaning.
- **Software Updates:** Keep your Windows operating system and drivers updated. Windows Update can be accessed via Settings > Windows Update. Regularly check the BOSGAME website for any specific driver updates.
- **Storage Management:** Periodically review your storage usage. Uninstall unnecessary programs and delete old files to free up space on the 1TB SSD.
- **Hardware Upgrades:** The Mini PC supports upgrades for both RAM and storage. You can expand the DDR5 RAM up to 64GB and add a second M.2 2280 NVMe PCIe 4.0 SSD. Refer to the detailed instructions for opening the chassis and installing components to avoid damage.

Expandable storage

Expandable M.2 NVMe PCIe 4.0 ×4 2280 SSD



Image 6.1: An illustration of the expandable storage slot, indicating support for an additional M.2 NVMe PCIe 4.0 SSD.

7. TROUBLESHOOTING

If you encounter issues with your Mini PC, refer to these common troubleshooting steps:

- **No Power:**

- Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
- Verify the power outlet is functional by plugging in another device.
- Try a different power outlet if available.

- **No Display:**

- Check that the monitor is powered on and the correct input source is selected.
- Ensure the HDMI, DisplayPort, or USB4 cable is securely connected to both the Mini PC and the monitor.
- Try a different display cable or monitor if possible.

- **Network Connection Issues:**

- For Wi-Fi, ensure your router is working and the Wi-Fi password is correct. Restart your router.

- For Ethernet, check if the LAN cable is properly connected to both the Mini PC and the router/modem. Verify the router's internet connection.
- In Windows, go to Settings > Network & internet and run the network troubleshooter.




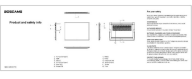
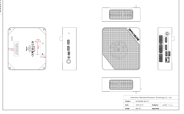

- **Slow Performance:**

- Close unnecessary applications running in the background.
- Check for and install any pending Windows updates.
- Ensure there is sufficient free space on your SSD.
- Run a virus scan to check for malware.

8. WARRANTY AND SUPPORT

The BOSGAME P3 Lite Mini PC comes with a **one-year warranty**. For technical support, warranty claims, or further assistance, please contact BOSGAME customer service through the retailer where the product was purchased or refer to the official BOSGAME support channels. Please have your product model number (P3 Lite) and purchase information ready when contacting support.

Related Documents - P3 Lite

	<p>BOSGAME H66/H68/H77 Mini PC User Manual and Technical Specifications</p> <p>Official user manual for BOSGAME H66, H68, and H77 mini PCs, detailing technical specifications, safety precautions, connection steps, warranty, and FCC compliance.</p>
	<p>Bosgame EffiZen Series AS1 Mini PC Instruction Manual</p> <p>Official instruction manual for the Bosgame EffiZen Series AS1 Mini PC, detailing setup, hardware installation (SSD, RAM), VESA mounting, usage guidelines, and support resources.</p>
	<p>Bosgame EffiZen Series C1 Mini PC Instruction Manual</p> <p>Comprehensive instruction manual for the Bosgame EffiZen Series C1 Mini PC, covering setup, usage, maintenance, and support.</p>
	<p>BOSGAME MGI i5 12500H PRO Product and Safety Information</p> <p>Comprehensive product and safety information for the BOSGAME MGI i5 12500H PRO mini PC, including setup, connectivity, safety guidelines, and FCC compliance details.</p>
	<p>BOSGAME PTX20 Mini PC Technical Specifications and Overview</p> <p>Detailed technical specifications, dimensions, and operational notes for the BOSGAME PTX20 Mini PC manufactured by Shenzhen Weikesen Electronic Technology Co., Ltd.</p>
	<p>EffiZen Series P2 Mini PC Instruction Manual - Bosgame</p> <p>Official instruction manual for the Bosgame EffiZen Series P2 Mini PC. Learn about setup, usage, maintenance, compliance, and warranty information.</p>